Form PTO-1449 INFORMATION	Docket No.: B0410/7284 Serial No. 10/048,205			
DISCLOSURE STATEMENT	Applicant: Richard A. Gambale et al.			
	Filed: May 2, 2002	Group: 3738		

EX.	Doc. No.	Date	Name	Class	Subcl.	Filed
76/ T	3,991,750	11/16/76	Brian H. Vickery	17	1	1
49-	3,995,617	12/07/76	Watkins et al.	+\	 	+
	4,307,722	12/29/81	Joseph M. Evans, et al.	+\	† · · · · ·	
	4,503,569	03/12/85	Charles T. Dotter	 \	 	
	4,546,499	10/15/85	Zinon C. Possis	1		
 -	4,562,597	01/07/86	Zinon C. Possis et al.	+-+	· ·	+
- -	4,580,568	04/08/86	Cesare Gianturco	+ 1	 	
- -	4,582,181	04/15/86	Wilfred J. Samson	 	4	
	4,641,653	02/10/87	Arthur G. Rockey		\ 	+
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		04/07/87	Hans I. Wallsten	+	11-	+ -
	4,655,771 4,658,817	04/21/87	Roger I. Hardy et al.	+	++	1
	4,665,918	05/19/87	Gilbert A. Garza et al.	+	11	1
	4,681,110	07/21/87	Dominik M. Wiktor	+	 	1
- 	4,733,665	03/29/88	Julio C. Palmaz	1.	+-+	1
++	4,768,507	09/06/88	Robert E. Fischell et al.	+	 	1
+	4,774,949	10/04/88	Thomas J. Fogarty		 \ -	
	4,813,926	03/21/89	Donald L. Anderson Jr. et al.	+	+-+	
		08/29/89	Gene Voss	 	+	+-
	4,861,330 4,889,137	12/26/89	Theodor Kolobow	+	1 - 1	+
	4,865,157	2/27/90	Scheunemann	-	1	
		04/17/90	Ronald J. Solar	+		₩
	4,917,666 4,920,980	05/01/90	Stefan A. Jackowski	+	 	₩
 	4,950,227	08/21/90	Michael A. Savin et al.			\
++		02/26/91	John R. Arnold	 		+
+	4,995,857		Jeffrey M. Isner et al.			1
+	4,997,431	03/05/91 08/20/91	Michael J. Badera et al.	 	 	+
- 	5,040,543	08/20/91	Manfred Pfeiler et al.	 		++
	5,042,486		Quinghua Qian	+		+ \
	5,047,028	09/10/91		+	+	+-+
	5,049,138	09/17/91	Raymond P. Chevalier, et al	 	- 	+
	5,056,517	10/15/91	Riccardo Feníci	-	 	+
	5,087,243	02/11/92	Boaz Avitall	-		+
	5,098,374	03/24/92	Erik Othel-Jacobsen et al.	 	 	
	5,114.414	05/19/92	Maurice Buchbinder			
	5,158,548	10/27/92	Lilip Lau et al.	+	 	
	5,167,614	12/01/92	Terri L. Tessman et al.		 	+
	5,176,626	01/05/93	Nib Soehendra		 	
/	5,180,366	01/19/93	W.T.Woods		 	
Y	5,190,058 5,256,146	03/02/93	Lee A. Jones et al. William D. Ensminger et al.	 	-	

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	<u> </u>		I Dan No		ATENT DOCUMENTS	Class	Cubal	Leiza
Ex.		<u></u>	Doc. No.	Date	Name	Class	Subcl.	Filed
B	_		5,266,073	11/30/93	W. Henry Wall	.\		.
-4			5,287,861	02/22/94				-
₽			5,290,678	03/01/94		++-	ļ	
#			5,312,456	05/17/94			<u> </u>	
_			5,324,325	06/28/94		 	<u> </u>	<u> </u>
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			5,380,316	01/10/95		1	<u> </u>	<u> </u>
_		· · · · · · · · · · · · · · · · · · ·	5,389,096	02/14/95				
	:		5,391,199	02/21/95		\	V	
			5,409,004	04/25/95	Dale A. Sloan		<u> </u>	<u> </u>
			5,409,019	04/25/95			Λ	
			5,423,885	08/13/95	Michael S. Williams		1\	
			5,425,757	01/20/95				
			5,429,144	06/04/95	Peter J. Wilk			
			5,441,516	11/15/95	Lixiao Wang et al.			
			5,452,733	09/26/95	Wesley D. Sterman			
		- '	5,453,090	09/26/95	Susana Martinez et al.			Ţ
			5,458,615	10/17/95	Kurt R. Klemm			
			5,464,404	11/07/95	George S. Abela et al.			
			5,464,650	11/07/95				
			5,466,242	11/14/95	Katsushi Mori			
			5,476,505	12/19/95	Timothy A. Limon			
			5,480,422	01/02/96	Shlomo Ben-Halm		1	
1			5,487,739	01/30/96	Patrick Aebischer et al.		1	
-			5,514,176	05/07/98	Rodney W. Bosley, Jr. et al.			
			5,551,427	09/03/96	Peter A. Altman			
			5,551,954	09/03/96	Paul J. Buscemi et al.			
			5,562,619	10/08/96	Thomas F. Mirarchi et al.			
,			5,562,922	10/08/96	Thomas L. Lembert			N
			5,569,272	10/29/96	Michael L. Reed et al.			1
			5,571,168	11/05/96	Connie D. Toro			1
			5,593,412	01/14/97	Susana Martinez et al.	1		1
			5,593,434	01/14/97	Michael S. Williams	T		
	1		5,602,301	02/11/97	Loren J. Field	1		
			5,614,206	03/25/97	Donald A. Randolph et al.			
	1 1		5,643,308	07/01/97	Barry Stephen Markman			
			5,653,756	08/05/97	Clarke et al.	7		1
	1		5,655,548	08/12/97	James A. Nelson			
	1		5,862,124	09/02/97	Peter J. Wilk	1		T 1
			5,676,850	10/14/97	Michael L. Reed			
			5,690,643	11/25/97	Bandula Wijay	T		
	1 1		5,735,897	04/07/98	Andrew W. Buirge	1	,	
	1		5,741,330	04/21/98	James H. Brauker et al.	1	<u> </u>	
	 		5,744,515	04/28/98	David L. Clapper	1		
_	/ 		5,765,682	05/26/98	Mark B. Knudson et al.	1	1	
4	- 		5,758,127	05/26/98	Bernard F. Grisoni et al.	1	1	

Page 2 of 5

U.S. PATENT DOCUMENTS						· · · ·
Ex.	Doc. No.	Date	Name	Class	Subcl.	Filed
2/	5,762,600	06/09/98	William Carl Bruchman et al.	1		
	5,769,843	06/23/98	George S. Abela et al.	1\		
	5,782,823	07/21/98	Richard L. Mueller			<u> </u>
	5,785,702	07/28/98	Douglas R. Murphy et al.			
	5,792,453	08/11/98	H. Kirk Hammond et al.	$T_{-}V_{-}$		1
	5,797,870	08/25/98	Keith L. March et al.			
	5,807,384	09/15/98	Richard L. Mueller	I = I		
	5,810,836	09/22/98	Hany Hussein			
	5,824,071	10/20/98	James A. Nelson et al.		L	
	5,830,502	11/03/98	Liang C. Dong et al.			
	5,833,699	11/10/98	Timothy A.M. Chuter		1	
	5,840,059	11/24/98	Kelth L. March et al.			
	5,899,915	05/04/99	Vahid Saadat			
	5,971,093	10/26/99	Hany Hussein et al.			
	5,980,514	11/09/99	Kuplecki et al.			
V	5,980,548	11/09/99	Douglas G. Evans et al.			V
4	6,053,924	04/25/00	Hussein			
(h/	6,263,880	07/24/01	Parker et al.			

	FOREIGN PATENT DOCUMENTS					
Ex.	Doc. No.	Date	Name	Class	Subcl.	
6/	FR 1.514.319	01/11/67	M. Fred Zacouto	7		
10	FR 2 725 615	10/17/94	De La Caffiniere Jean			
	•	<u> </u>	Yves			
	DE 19703482	01/31/97	Charles T. Dotter			
	DE 296 19 029 u1	04/10/97	Georg Kletka			
	EP 0 490 459A1	08/17/92	James R. Gross			
	EP 0 515 867 A2	12/02/92	Valluvan Jeevanandam	I		
	EP 0 714 640 A1	06/05/96	Richard S. Stack	I - I		
	EP 0 717 969 A1	06/26/96	Ivan Sepetka et al.	1	\.	
	EP 0 732 089 A2	09/18/96	Scott C. Anderson et al.			
	EP 0 812 574 A2	12/17/97	Richard L. Mueller et al.	Ĭ		
	EP 0 830 873 A2	03/25/98	Atsushi Ogawa et al.			
	EP 0 876 803 A2	11/11/98	C. R. Bard, Inc.			
	EP 0 953 320 A2	11/03/99	Ronald J. Tuch			
	WO 89/01798	03/09/89	Erik Jacobsen			_
	WO 91/15254	10/17/91	David Zimmon			_
	WO94/05265	03/17/94	Charles B. Berde et al.			
	WO 95/33511	12/14/95	Clarence C. Lee	1		
	WO 96/20698	07/11/96	Robert J. Levy et al.			
	WO 97/32551	09/12/97	Hany Hussein et al.			_
	WO 97/44071	11/27/97	Amnon Sudal			
	WO 97/45105	12/04/97	William L. Hunter et al.		\	_
	WO 97/47253	12/18/97	Robert Fine		\\	1
	WO 98/05307	02/12/98	Aaron Kaplan et al.			L
	WO 98/08456	03/05/98	Joshua Makower et al.			1
6/	WO 98/16644	04/23/98	Theresa A. Deisher et al.			1

Page 3 of 5

e	Doc. No.	Date	TENT DOCUMENTS Name	Class	Subcl.	
Ex,						
<i>(</i> 3/)	WO 98/23228	06/04/98	Terry L. Burkoth et al.		 	
- - - - - 	WO 98/25533	06/18/98	Thomas R. Haktner	1		<u> </u>
	WO 98/29148	07/09/98	Dachuan Yang et al.			<u> </u>
	WO 98/32859	07/30/98	Todd Rosengart et al.			<u> </u>
-1- 1-	WQ 98/46115	10/22/98	Joshua Makower et al.			<u> </u>
	WO 99/21510	05/06/99	Douglas G. Evans			<u> </u>
- - - - - - - - - 	WO 99/38459	08/05/99	Peter J. Wilk			_
-+-	WO 99/53863	10/28/99	Guy P. Vanney et al.			Į.
	RU 2026640 C1		Kononov			
hA	RU 2063179 C1		Ganichev		1	L

	OTHER DOCUMENTS (including, Author, Title, Date, Pages, Etc.)
6/	A. Hassan Khazei et al., Myocardial Canalization, A New Method of Myocardial Revascularization, The Annals of Thoraclo Surgery, Vol. 6, No. 2, pp. 163-171,
	Alfred Goldman et al., Experimental Methods for Producing a Collateral Circulation to the Heart Directly from the Left Ventricle, Journals of Thoracic Surgery, Vol. 31, No. 3, pp. 354-374, March 1956.
+	A. Sachinopoulou et al., Invited Review Transmyocardial Revascularization, Lasers
1	B. Schumacher, Induction of Neoangiogenesis in Ischemic Myocardium by Human Growth Factors, First Climical Results of a New Treatment of Coronary Heart Disease. Clinical Investigation and Reports. pp 845-650, Dec. 1997
	Charles T. Doiter, Transluminally-placed Collspring Endarterial Tube Grants, Lung- term Patency in Canine Popliteral Artery, Investigative Radiology, pp. 329-332,
	C. Massimo, et al., Myocardial Revascularization By a New Method of Carrying Blood Directly from the Left Ventricular Cavity Into the Coronary Circulation, Journals of Thoracic Surgery, Vol. 34, No. 2, pp. 257-264, August 1957
	Visualization and Therapy of Cardiocirculatory Diseases, American Heart Journal, Vol. 103 No. 8, pp. 1076-1077
	Garrett Lee et al., Laser-Dissolution of Coronary Atheroscierotic Obstruction,
	George S. Abela et al., Use of Laser Rediation to Recanalize Totally Obstructed George S. Abela et al., Use of Laser Rediation to Recanalize Totally Obstructed George S. Abela et al., Use of Laser Rediation to Recanalize Totally Obstructed
	George S. Abela et al., Laser Revascularization: What Are its Prospects 1, Journal of Condings College Do. 977-984. Sept. 1983
	Isam N. Anabtawi et al., Experimental Evaluation of Myocardial Tunnelization as a Method of Myocardial Revascularization, Journal of Thoracic and Cardiovascular Nethod of No. 5 ap. 638-646, Nov. 1969
+ +	John E. Hershey et al., Transmyocardial Puncture Revascularization, Genaults, p.
1/	Revasoularization, Journal of Thoracic Cardiovascular Surgery, Vol. 57, No. 6, pp.
*/	Mahmood Mirhoseini et al., Myocardial Revascularization by Laser: A Clinical Report; Lasers in Surgery and Medicine 3: 241-245 (1983)

Page 4 of 5

	OTHER DOCUMENTS (Including, Author, Title, Date, Pages, Etc.)
6	Mahmood Mirhoselni et al., Revascularization of the Heart by Laser; Journal of Microsurgery, pp. 253-260, June 1981
	Mahmood Mirhoseini et al., Transventrioular Revasculerization by Laser, Lasers in Surgery and Medicine, Vol. 2, pp. 187-198, 1982
	Mahmood Mirhoseini et al., <i>Clinical Report: Laser Myocardial Revascularization,</i> Lasers in Surgery and Medicine Vol. 6, pp. 459-461, 1986
	Mahmood Mirhoseini et al., New Concepts in Revascularization of the Myocardium, The Annals of Thoracic Surgery, Vol. 45, No. 4, pp. 415-420, April 1988
	Neil B. Ingels, et al., Measurement of Midwall Myocardial Dynamics in Intact Man by Radiography of Surgically Implanted Markers, Circulation, Vol. 52, pp. 859-867 (Nov. 1975)
	P. Walter et al., Treatment of Acute Myocardial Infarction by Transmural Blood Supply from the Ventricular Cavity, Department of Surgery and Department of Radiology of the Hannover Medical School, Hanover, pp 130-138, (1971)
	Peter Whittaker, et al., Transmural Channels Can Protect Ischemic Tissue, Assessment of Long-term Myocardial Response to Laser and Needle-Made Channels, Circulation, Vol. 93, No. 1, pp. 143-152, Jan. 1998
	P.K. Sen, et al, Further Studies in Multiple Trasnmyocardial Acupuncture as a Method of Myocardial Revascularization, Surgery, Vol. 64, No. 5, pp. 861-870, Nov. 1968
	P.K. Sen et al, Transmyocardial Acupuncture, A New Approach to Myocardial Revascularization; Journal of Thorocic and Cardiovascular Surgery, Vol. 50, No. 2, pp. 181-189, August 1965
	R.I. Hardy et al., Regional Myocardial Blood Flow and Cardiac Mechanics in Dog Hearts with CO ₂ Laser-Induced Intramyocardial Revascularization, Basic Research Cardiology, 85:179-197 (1990)
	Roque Pifarre et al., Myocardial Revascularization by Transmyocardial Acupuncture: A Physiologic Impossibility; Journal of Thoracic and Cardiovascular Surgery; Vol. 58, No. 3, pp. 424-429, September 1969
B	Vailuvan Jeevanandam et I., Myocardial Revascularization by Laser-Induced Channels, Surgical Forum Vo. IVL, American College of Surgeons 76 th Clinical Congress, Vol 4, pp. 226-227, Oct. 1990

	<u> </u>
Examiner.	Date considered
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100	7 7 7

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. An * indicates references that do not require a copy to be provided under 37 C.F.R. §1.98(d) because a copy was previously cited or submitted in a prior application, which is relied upon under 35 U.S.C. §120.